

NOTICE AND NECESSARY INFORMATION (NANI)

This form is to assist compliance with the bulk sewage (biosolids) notification requirements [503.12(f)]. Please note, however, that if the biosolids meet the exceptional quality criteria, then the notification requirements do not apply. This form can be used by preparers of biosolids to transmit information to land appliers and also by land appliers to transmit information to land owners or lease holders.

Facility and Biosolids Type:: GWRP Compliance

Monitoring Period: 1/1/15 To: 2/28/15

Name	Concentration (mg/Kg) Dry Weight	Pollutant Concentrations (Table 3, 40 CFR 503.13) Monthly Average	Ceiling Concentrations* (Table 1, 40 CFR 503.13) Daily Maximum
Arsenic	< 24.0	41	75
Cadmium	< 2.40	39	85
Chromium	60.0	1200	3000
Copper	350	1500	4300
Lead	< 24.0	300	840
Mercury	0.52	17	57
Molybdenum	21.0	N/A**	75
Nickel	26.0	420	420
Nitrogen Concen	59200	N/A	N/A
Selenium	< 2.60	36	100
Zinc	810	2800	7500

* Biosolids may not be land applied if any pollutant exceeds these values.

** EPA has temporarily removed molybdenum limits from Table 3, Table 2 and Table

B. Pathogen Reduction (40CFR 503.32) -- Please indicate the level achieved


☐ Class A ☒ Class B

C. Vector Attraction Reduction (40CFR 503.33) -- Please indicate the option performed

☒ Option 1 ☐ Option 2 ☐ Option 3 ☐ Option 4
☐ Option 5 ☐ Option 6 ☐ Option 7 ☐ Option 8
☐ No vector attraction reduction options were performed

D. Certification

I certify, under penalty of law, that the information that will be used to determine compliance with the Class B pathogen requirements in §503.32(b) and the vector attraction reduction requirement in §503.33(b)(1) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

A. Name and Official Title Jennifer Hetherington, Wastewater Compliance Specialist	B. Area Code and Telephone Number 480-644-3890
C. Signature 	D. Date Signed 3/2/15

Laboratory Sample ID: 141222022

**CITY OF MESA COMPLIANCE LABORATORY****640 NORTH MESA DRIVE MESA, ARIZONA 85211**

Environmental Laboratory License AZ0410

LABORATORY SUPERVISOR: MATTHEW REXING Ph (480)644-5403

QUALITY ASSURANCE COORDINATOR: Amy Cerwinske Ph (480)644-6901

Attn: Jennifer Hetherington

OrderID: 141222022

CollectDate: 1/21/2015

Collection Time: 6:00:00 AM

Collector: D. Herring

Sample Number: 14120841

ReceiveDate: 1/21/2015

Customer Sample#:

Project ID: GWRP ANNUAL BIOSOLIDS

Site: GWRP Biosolids

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Nitrogen, Ammonia Total	SM4500-NH3D	250	D2	10100 mg/Kg-dry	2/11/2015	PSERIA
Cyanide, Total	EPA 9014	20		< 20.0 mg/Kg-dry	1/28/2015	TAL
Antimony, Total	EPA 6010B	23		< 23.0 mg/Kg-dry	1/27/2015	TAL
Arsenic, Total	EPA 6010B	24		< 24.0 mg/Kg-dry	1/27/2015	TAL
Beryllium, Total	EPA 6010B	2.4		< 2.40 mg/Kg-dry	1/27/2015	TAL
Cadmium, Total	EPA 6010B	2.4		< 2.40 mg/Kg-dry	1/27/2015	TAL
Calcium, Total	EPA 6010B			n/a mg/kg	1/27/2015	TAL
Chromium, Total	EPA 6010B	9.4		60.0 mg/Kg-dry	1/27/2015	TAL
Copper, Total	EPA 6010B	24		350 mg/Kg-dry	1/27/2015	TAL
Lead, Total	EPA 6010B	24		< 24.0 mg/Kg-dry	1/27/2015	TAL
Magnesium, Total	EPA 6010B			n/a mg/kg	1/27/2015	TAL
Molybdenum, Total	EPA 6010B	9.4		21.0 mg/Kg-dry	1/27/2015	TAL
Nickel, Total	EPA 6010B	9.4		26.0 mg/Kg-dry	1/27/2015	TAL
Potassium, Total	EPA 6010B			n/a mg/kg	1/27/2015	TAL
Selenium, Total	EPA 6010B	2.6	E4	< 2.60 mg/Kg-dry	1/27/2015	TAL
Silver, Total	EPA 6010B	12		< 12.0 mg/Kg-dry	1/27/2015	TAL
Sodium, Total	EPA 6010B			n/a mg/kg	1/27/2015	TAL
Thallium, Total	EPA 6010B	24		< 24.0 mg/Kg-dry	1/27/2015	TAL
Zinc, Total	EPA 6010B	47		810 mg/Kg-dry	1/27/2015	TAL
Mercury, Total	EPA 7471A	0.5		0.52 mg/Kg-dry	1/26/2015	TAL
Nitrogen, Nitrate-Nitrite Total	EPA 9056	10		< 10.0 mg/Kg-dry	1/27/2015	TAL
Nitrogen, Kjeldahl Total	SM4500-Norg	1124		59200 mg/Kg-dry	2/4/2015	PSERIA
Nitrogen, Total	Calculation	1134		59200 mg/Kg-dry	2/26/2015	ACERWIN
Paint Filter	EPA 9095B			abs pres/abs	1/28/2015	PSERIA
Percent Moisture	SM2540G	0.1		80.0 %	1/22/2015	TAL
Percent Soil	SM2540G	0.1		20.0 %	1/22/2015	TAL
pH	EPA 9045D	1.68		8.29 S.U.	1/28/2015	PSERIA
Phosphate as P, Total	SM4500-P	4905	D2 M3 R1	29100 mg/Kg-dry	2/10/2015	PSERIA

Solids, Total	SM2540G	1	20.0 %	1/26/2015	NSILIDE
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QUALIFIERS

D2	Sample diluted due to high concentration.	E4	Analyte<MRL but > MDL, concentration estimated.
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COMMENTS

E4 Se was reported down to the MDL. The RL for Se listed on the COM report is the subcontract lab's MDL.

R1 RPD exceeded method acceptance limits due to matrix. M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.

REVIEWED BY:



Date Signed: 3/2/2015



Chain of Custody

Project Manager: Jennifer Hetherington

Order# 141222022			Sampled By: DH																																																																																											
Customer Name: GWRP Compliance			Date Sampled: 1-21-15																																																																																											
Project Name: GWRP ANN			Time Sampled: 0600																																																																																											
Number of Bottles:			Receiving Temp: 20C																																																																																											
Sample Number 14120841			Comments:																																																																																											
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